

WHAT IS CLAIMED IS:

1. A method of source control, comprising:
enabling a level of source control from a selection of at least two levels; and
automatically or manually setting a version number of an object, depending
on said level.
2. The method according to claim 1, further comprising:
providing a capability to switch said level of source control to another level.
3. The method according to claim 1, wherein automatically setting said version
number is based on a degree of change to said object.
4. The method according to claim 1, further comprising:
storing attributes associated with said object in a database.
5. The method according to claim 1, wherein said object is a control strategy
loadable to a controller in a process control system.
6. The method according to claim 1, wherein said at least two levels are level
none, level basic, and level full.
7. The method according to claim 6, wherein for said level none, said method
further comprises:
receiving user-entered text for said version number;
setting a created-by name set upon receiving a first save changes request;
setting a modified-by name upon receiving a save changes request;
setting a date-created date upon receiving said first save changes request;
and

setting a version date upon receiving said save changes request.

8. The method according to claim 6, wherein for said level basic, said method further comprises:

automatically incrementing said version number upon receiving a save changes request, including a first save changes request;
setting a created-by name upon receiving said first save changes request;
setting a modified-by name upon receiving said save changes request, including a first save changes request;
setting a date-created date upon receiving said first save changes request;
setting a version date upon receiving said save changes request, including a first save changes request; and
displaying said version number.

9. The method according to claim 8, wherein said version number is incremented differently for minor changes than for major changes.

10. The method according to claim 6, wherein for said level full, said method further comprises:

supporting a qualification life cycle model;
providing a version control system toolbar and menu;
automatically incrementing said version number upon check-in, including a first check-in wherein said version number is generated;
displaying said version number;
setting a created-by name upon said first check-in;
setting a modified-by name upon said check-in, including said first check-in;
setting a date-created date upon said check-in, including said first check-in;
setting a version date upon said check;
receiving a check-in comment; and

providing a version history and audit trail.

11. The method according to claim 10, wherein said version number is incremented differently for minor changes than for major changes, according to user preferences.
12. A process control system, comprising:
 - a computer having a source control system with a selectable level of source control; and
 - a network coupling said computer to a controller;
 - wherein at least one control strategy in said source control system is loadable from said computer to said controller.
13. The system according to claim 12, further comprising:
 - a database to store source control information associated with said at least one control strategy, including a version number.
14. The system according to claim 13, wherein said selectable level of source control is no source control and further wherein a version number is entered manually when said at least one control strategy is saved.
15. The system according to claim 13, wherein said selectable level of source control is basic source control and further wherein a version number is automatically incremented when said at least one control strategy is saved.
16. The system according to claim 13, wherein said selectable level of source control is full source control and further wherein a version number is automatically incremented when said at least one control strategy is checked-in.

17. The system according to claim 12, wherein said selectable level of source control is selected from the group consisting of: a preference, a license, an installation configuration, and a user interface.

18. A method for providing a source control system for a process control system, comprising:

receiving a selection from at least two levels of source control;

providing a user-enterable version number when an object is stored, if said selection is a first level; and

providing an automatically incremented version number when an object is stored, if said selection is a second level.

19. The method according to claim 18, further comprising:

providing an automatically incremented version number when said object is checked-in, if said selection is a third level.

20. The method according to claim 18, further comprising:

changing said selection to another of said at least two levels of source control.

21. The method according to claim 18, further comprising:

updating attributes of said object based on said selection.

22. A computer readable medium having executable instructions stored thereon to perform a method of providing configurable levels of support for a source control system, said method comprising:

receiving a request for a level of support;

determining whether a full level of support is licensed;

determining whether an option for a basic level of support is selected;

setting said level of support to full, if said full level of support is licensed;
setting said level of support to basic is said option is selected.

23. The computer readable medium according to claim 22, wherein a default for said level of support is none.

24. A computer readable medium having executable instructions stored thereon to perform a method of changing configurable levels of support for a source control system, said method comprising:

- receiving a request to change a level of source control from a user;
- determining whether a full level is licensed;
- determining whether said request is to change from none to basic;
- determining whether said request is to change from basic to none;
- performing said request when said request is to change from none to basic or from basic to none; and
- storing a new level of source control.

25. A computer readable medium having executable instructions stored thereon to perform a method of updating version attributes based on a level of source control, said method comprising:

- determining whether a full level is licensed;
- determining whether a basic level is selected;
- receiving a save changes request for an object;
- determining whether said object is new;
- setting a version number to a first version number, when said object is new;
- updating version attributes of said object according to whether said full level is licensed and whether said basic level is selected; and
- incrementing said version number, when said object is not new and when said full level is not licensed.